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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Stan Gronthos et al.  
Serial No. : 10/551,326 Group Art Unit: 1633  
Filed : March 30, 2006 Examiner: K.T. Hiriyanna  
Title : PERIVASCULAR MESENCHYMAL PRECURSOR CELL INDUCED  
BLOOD VESSEL FORMATION

1185 Avenue of the Americas  
New York, New York 10036  
April 24, 2008

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following items, which are listed on the Substitute Form PTO-1449 attached hereto as **Exhibit A**. Items 1-27 are related U.S. Patent and Patent Application Publications. No copies of these items are attached hereto as permitted by 37 C.F.R. §1.98(a)(2)(ii). Copies of items 28-119 are attached hereto as **Exhibits 1-92**, respectively:

1. U.S. Patent No. 5,197,985 issued to Caplan et al. on March 30, 1993;
2. U.S. Patent No. 5,226,914 issued to Caplan et al. on July 13, 1993;

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3. U.S. Patent No. 5,486,359 issued to Caplan et al. on January 23, 1996;
4. U.S. Patent No. 5,591,625 issued to Gerson et al. on January 7, 1997;
5. U.S. Patent No. 5,811,094 issued to Caplan on September 22, 1998;
6. U.S. Patent No. 5,827,740 issued to Pittenger on October 27, 1998;
7. U.S. Patent No. 5,837,539 issued to Caplan et al. on November 17, 1998;
8. U.S. Patent No. 5,922,597 issued to Verfaillie et al. on July 13, 1999;
9. U.S. Patent No. 6,022,540 issued to Bruder et al. on February 8, 2000;
10. U.S. Patent No. 6,087,113 issued to Caplan et al. on July 11, 2000;
11. U.S. Patent No. 6,261,549 issued to Fernandez et al. on July 17, 2001;
12. U.S. Patent No. 6,322,784 issued to Pittenger et al. on November 27, 2001;
13. U.S. Patent No. 6,335,195 issued to Rodgers et al. on January 1, 2002;
14. U.S. Patent No. 6,387,367 issued to Davis-Sproul et al. on May 14, 2002;
15. U.S. Patent No. 6,387,369 issued to Pittenger et al. on May 14, 2002;
16. U.S. Patent No. 6,645,727 issued to Thomas et al. on November 11, 2003;
17. U.S. Patent No. 6,709,864 issued to Pittenger et al. on March 23, 2004;

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21. U.S. Patent Application Publication No. 2004-0107453, published June 3, 2004;
22. U.S. Patent Application Publication No. 2006-0008452 published January 12, 2006;
23. U.S. Patent Application Publication No. 2005-0019911 published January 27, 2005;
24. U.S. Patent Application Publication No. 2005-0158289 published July 21, 2005;
25. U.S. Patent Application Publication No. 2005-0281790 published December 22, 2005;
26. U.S. Patent Application Publication No. 2002-0085996, published July 2002;
27. U.S. Patent Application Publication No. 2006-0193840 A1 published August 31, 2006;
28. PCT International Publication No. WO 01/011011, published February 15, 2001; **(Exhibit 1)**
29. PCT International Publication No. WO 04/84921 A1, published October 7, 2004; **(Exhibit 2)**
30. PCT International Application Publication No. WO 04/85630 A1 published October 7, 2004; **(Exhibit 3)**
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44. Fong et al. (1997) "Nonradioactive, Agarose Minigel Procedure for Telomeric Repeat Amplification Protocol" BioTechniques 23, pages 1029-1032; (**Exhibit 17**)
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47. Friedenstein et al. (1970) "The Development of Fibroblast Colonies in Monolayer Cultures of Guinea-Pig Bone Marrow and Spleen Cells" Cell Tissue Kinetics 3, pages 393-403; **(Exhibit 20)**
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49. Gronthos, S. et al. (2002) "Stem Cell Properties of Human Dental Pulp Stem Cells" J. Dent. Res. 81(8), pages 531-535; **(Exhibit 22)**
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52. Huang and Terstappen (1992) Nature 360, pages 745-749; **(Exhibit 25)**
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- connection with International Application No. PCT/AU2004/000416; (**Exhibit 62**)
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  92. Office Action issued January 12, 2005 in connection with U.S. Serial No. 10/030,411; (**Exhibit 65**)
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  97. Office Action issued August 25, 2006 in connection with U.S. Serial No. 10/955,709; (**Exhibit 70**)
  98. Examiner Interview Summary issued June 27, 2006 in connection with U.S. Serial No. 10/030,411; (**Exhibit 71**)
  99. Office Action issued August 24, 2007 in connection with U.S. Serial No. 11/178,920; (**Exhibit 72**)
  100. Office Action issued December 15, 2006 in connection with U.S. Serial No. 11/178,920; (**Exhibit 73**)
  101. Office Action issued July 10, 2006 in connection with U.S. Serial No. 11/178,920; (**Exhibit 74**)

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102. Office Action issued January 22, 2007 in connection with U.S. Serial No. 11/169,875; (**Exhibit 75**)
103. Office Action issued July 10, 2006 in connection with U.S. Serial No. 10/813,747; (**Exhibit 76**)
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105. Office Action issued April 3, 2007 in connection with U.S. Serial No. 10/813,747; (**Exhibit 78**)
106. Office Action issued October 19, 2007 in connection with U.S. Serial No. 10/813,747; (**Exhibit 79**)
107. Restriction Requirement issued January 8, 2008 in connection with U.S. Serial No. 10/551,162; (**Exhibit 80**)
108. Final Office Action issued January 10, 2008 in connection with U.S. Serial No. 10/955,709; (**Exhibit 81**)
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- 119. U.S. Serial No. 11/663,563, filed March 23, 2007. (**Exhibit 92**)

Item 115 was cited in an Extended European Search Report issued December 27, 2007 in connection with European Application No. 05787106.3, a copy of which is attached hereto as **Exhibit 83**.

Items 20, 116 and 117 were cited in Supplementary European Search Report issued January 2, 2008 in connection with European Application No. 05754008.0, a copy of which is attached hereto as **Exhibit 84**.

This Supplemental Information Disclosure Statement is being submitted under 37 C.F.R. §1.97(b)(3) before the issuance of a first Office Action on the merits. The Examiner is respectfully requested to make these items of record in the

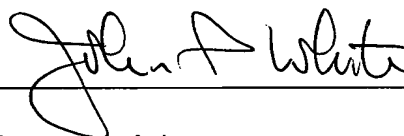
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present application by initialing and returning a copy of the enclosed Substitute Form PTO-1449.

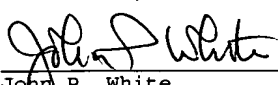
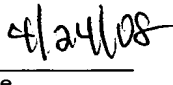
If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorneys invite the Examiner to telephone them at the number provided below.

No fee is deemed necessary in connection with the filing of this Supplemental Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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